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**NAME:** Mail Stop: Amendment; Group Art Unit 1764  
Examiner Thuan D. Dang  
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**FAX:** (571) 273-8300

**FROM:** Rodney B. Carroll

**DATE:** May 18, 2006

**RE:** U.S. Patent Application Serial No. 10/712,686  
Filing Date: November 13, 2003  
Atty Docket: 33735US00 (4081-04300)  
Amendments and Response to Office Action Dated February 23, 2006 (12 pgs.)

Total Number of Pages (Including Cover Page): 13

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Atty Docket: 33735US00 (4081-04300)

MAY 18 2006

Patent

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Tin-Tack Peter Cheung, *et al.*

Serial No.: 10/712,686

Filed: November 13, 2003

For: METHODS AND SYSTEMS OF PRODUCING  
MONOOLEFINS BY THE EXTRACTION-  
HYDROGENATION OF HIGHLY  
UNSATURATED HYDROCARBONS§  
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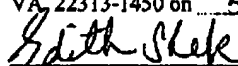
Group Art Unit: 1764

Examiner: Thuan D. Dang

Confirmation No. 9092

Mail Stop: Amendment  
Commissioner for Patents  
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VA 22313-1450 on 5/18/2006  
Edith S. Shick**AMENDMENTS AND RESPONSE TO  
OFFICE ACTION DATED FEBRUARY 23, 2006**

In response to the Office Action dated February 23, 2006, Applicants respectfully request the following amendments to the above-identified application as follows. The changes made are shown by underlining the added text and striking through the deleted text in bold.

Amendments to the Claims are reflected in the listing of claims, which begins on page 2 of this paper.

Remarks/Arguments begin on page 9 of this paper.